ABSTRACT OF THE DISCLOSURE

Receiving coil for nuclear magnetic resonance imaging apparatus for spinal column images, where the apparatus has a supporting bench of the patient and an element for generating a static magnetic field perpendicularly oriented with respect to the supporting bench of the patient. The receiving coil is provided with at least two conductors useful for the detection extending in the direction of the positioning of the longitudinal extension of the spinal column and in the supporting bench or in a bench parallel to the supporting bench of the patient and have a length that is enough to cover approximately the anatomic district of the spinal column or a part of interest thereof, the distance of the two conductors being in the order of magnitude of the average width of the spinal columns and the two conductors being connected in such a way to have a coherent flowing direction of current.